

Amendments to the Specification:

On Page 5, please replace the fourth full paragraph with the following rewritten paragraph:

-- The electromagnet 14 is energized momentarily by the control signal, and the valve disk 16 attached to an electromagnetically operated valve piston V opens the working chamber 12. The liquid previously impounded here and provided with kinetic energy escapes within 1 to 1.5 milliseconds through the outflow apertures 13 into the surrounding liquid to be extracted. --

On Page 5, please replace the fifth full paragraph with the following rewritten paragraph:

--The energizing of the electromagnet 14 simultaneously causes the lower valve disk 17 attached to the electromagnetically operated valve piston V to be pushed downwards against the pressure of a liquid in the valve-closing chamber 15. Immediately after the pressure reduction of the volume in the working chamber 12, the pressure prevailing in the valve-closing chamber 15 forces the lower valve disk 17 abruptly back again in the opposite direction, thus closing the valve 13 again after about 2 to 2.5 milliseconds. Both the amount and the pressure of the liquid volume contained in the valve-closing chamber 15 may be

varied via a closing valve 18 actuated by the control unit

9. --

On Pages 6-7, please replace the paragraph bridging pages 6-7 with the following rewritten paragraph:

--If the filter material is very brittle, as is the case, for example, with stoneware or aged PVC, the hydraulic energy pulses must have only a low energy content so as to ensure that in this case, too, the brittle materials are neither damaged nor destroyed. If, in addition to the filter material being very brittle, it contains a particularly large quantity of colmatage (e.g. due to an extended period of operation without regeneration, or to an extremely high iron content in the medium being extracted), regeneration will take a long time on account of the low energy content of the pulses. Alternatively, if regeneration work is limited to a justifiable period of time, the permeability of the filter bodies, the filter layers and of ground layers B close to the borehole will not be intensified to the desired degree. --